

Electronic Acknowledgement Receipt

EFS ID:	4959181
Application Number:	10693566
International Application Number:	
Confirmation Number:	3596
Title of Invention:	MIMO-OFDM preamble for channel estimation
First Named Inventor/Applicant Name:	Ravi Narasimhan
Customer Number:	26200
Filer:	John-Paul Robert Fryckman/Rich Donovan
Filer Authorized By:	John-Paul Robert Fryckman
Attorney Docket Number:	MP0337/13361-0055001
Receipt Date:	12-MAR-2009
Filing Date:	23-OCT-2003
Time Stamp:	18:55:26
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	4400
Deposit Account	061050
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part/.zip	Pages (if appl.)

1		0055001OA.pdf	722294 dd0f73d1bd156d9881c1e97fffa762d1978ddc	yes	22
Multipart Description/PDF files in .zip description					
Document Description		Start		End	
Amendment/Req. Reconsideration-After Non-Final Reject		1		1	
Specification		2		3	
Claims		4		19	
	Amendment/Req. Reconsideration-After Non-Final Reject		20		22

Warnings:**Information:**

2		0055001ids.pdf	73016 dd0f66be50af5e944010471c340bd156d184655c	yes	2
Multipart Description/PDF files in .zip description					
Document Description		Start		End	
Information Disclosure Statement Letter		1		1	
Information Disclosure Statement (IDS) Filed (SB/08)		2		2	

Warnings:**Information:**

3	NPL Documents	802_11b.pdf	1016558 b2abfb2a0b151709a0a533ea55ac201f657c580d	no	96
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Warnings:**Information:**

4	NPL Documents	802_11n.pdf	6191678 4ba56a1de7340adab1252a9225c7981a0f1c0e1	no	131
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Warnings:**Information:**

5	NPL Documents	802_11.pdf	8814042 a0d0fb7a0a11821a0eacf191ef1f16f3c14e9b78411	no	531
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Warnings:**Information:**

6	NPL Documents	802_11g.pdf	2630627 1a9051d470b24f4ec9b014a42a003c6038f 5fbef	no	69
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Warnings:**Information:**

7	NPL Documents	802_11a.pdf	3432641 75e5348d248d4c6fb09bc0fc1a6a8fb0c7 bfc	no	91
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Warnings:**Information:**

8	Fee Worksheet (PTO-06)	fee-info.pdf	30060 6e8b8251a4921139a4bce851ca09f1-554 5548a	no	2
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Warnings:**Information:**

Total Files Size (in bytes):	22910916
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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.